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| APPLICATION NO.  | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------|------------------|
| 09/635,146   | 08/08/2000  | Timothy M. Schmidl   | TI-30673            | 2896             |
| 23494  | 7590        | 04/19/2006           | EXAMINER            |                  |
| TEXAS INSTRUMENTS INCORPORATED<br>P O BOX 655474, M/S 3999<br>DALLAS, TX 75265 |             |                      | MOORE JR, MICHAEL J |                  |
|  |             |                      | ART UNIT            | PAPER NUMBER     |
|  |             |                      | 2616                |                  |

DATE MAILED: 04/19/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/635,146

Applicant(s)

SCHMIDL ET AL.

Examiner

Michael J. Moore, Jr.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 19 January 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-13, 15-18, 20-23, 26 and 28-32 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-10, 16-18, 20-23 and 29-32 is/are allowed.
- 6) ☒ Claim(s) 11 and 26 is/are rejected.
- 7) ☒ Claim(s) 12, 13, 15 and 28 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 February 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Drawings*

1. Replacement drawings were received on 2/2/06. These drawings are acceptable and have been entered.

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims **11 and 26** are rejected under 35 U.S.C. 102(e) as being anticipated by Balachandran et al. (U.S. 6,115,394) ("Balachandran"). *Balachandran* teaches all of the limitations of the specified claims with the reasoning that follows.

Regarding claim **11**, "a method of controlling communication of a packet from a wireless transmitting packet communication device to a wireless recipient packet communication device, the packet including a predetermined address field for carrying address information indicative of an intended recipient of the packet" is anticipated by the method shown in Figure 6 where an incoming packet that has a destination address (predetermined address field) is transmitted over a wireless communication link as spoken of on column 8, lines 15-51.

“Providing identification information in the address field which identifies a recipient packet communication device for which the packet is intended” is anticipated by the destination address (identification information) provided in the incoming packet in step 80 of Figure 6 and spoken of on column 8, lines 17-20.

“Responsive to the identification information in the address field, a transmitting packet device producing address information indicative of the intended recipient device and extending the address field of the packet to accommodate the address information and providing the address information in the extended address field” is anticipated by the address extension step 86 of Figure 6 where the address field length is extended in response to steps 84, 82, and 80 of Figure 6 and extended alias addresses (address information) are then used as spoken of on column 8, lines 17-43.

Lastly, “the transmitting device transmitting the packet on a communication link” is anticipated by step 98 of Figure 6 where the packet is transmitted.

Regarding claim **26**, “a packet communication apparatus for communicating a packet of information to a further packet communication apparatus, the packet including a predetermined address field for carrying address information indicative of an intended recipient of the packet” is anticipated by wireless communication interface 12 (packet communication apparatus) of Figure 1 that communicates packets containing a destination address (predetermined address field) to wireless communication interface 14 (further packet communication apparatus) over link 16 as spoken of on column 4, lines 53-57 as well as column 8, lines 15-51.

"A packet processor for selectively extending the address field of the packet to accommodate the address information in response to information in the predetermined address field, the packet processor further for providing the address information in the extended address field" is anticipated by the address extension step 86 of Figure 6 where the address field length is extended by communication interface 12 (packet processor) in response to steps 84, 82, and 80 of Figure 6 and extended alias addresses (address information) are then used as spoken of on column 8, lines 17-43.

***Allowable Subject Matter***

4. Claims **1-10, 16-18, 20-23, and 29-32** are allowable over the prior art of record.
5. Claims **12, 13, 15, and 28** are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
6. The following is a statement of reasons for the indication of allowable subject matter:

Regarding claims **1-10, 15-18, 20-23, and 28**, these claims are allowable for the reasons indicated in the previous Office Action.

Regarding claim **12**, *Balachandran* teaches the method of claim **11**. *Balachandran* does not teach the use of error check information from the received packet to determine whether the address field of the received packet is an extended address field.

Regarding claim **13**, this claim is further limiting to claim **12** and is thus also allowable over the prior art of record.

Regarding claim **29**, *Balachandran* teaches wireless communication interface 14 (packet communication apparatus) of Figure 1 that receives packets containing a destination address (predetermined address field) over link 16 as spoken of on column 9, lines 17-30.

*Balachandran* also teaches in Figure 7 and on column 10, lines 1-10 how the first bit of the first byte following the frame header of a received packet is examined in order to determine whether the address field is an extended length address field.

*Balachandran* does not teach a packet processor that uses error check information from the received packet to determine whether the received address field is an extended length address field.

Regarding claims **30-32**, these claims are further limiting to claim **29** and are thus also allowable over the prior art of record.

### ***Response to Arguments***

7. Applicant's arguments with respect to claims **29-31** have been fully considered and are persuasive. The rejections of these claims have been withdrawn.

8. Applicant's arguments with respect to *amended* claims **11 and 26** have been fully considered but they are not persuasive.

Regarding *amended* claim **11**, Applicant argues that *Balachandran* does not disclose "producing address information indicative of the intended recipient device and extending the address field of the packet" in response to the identification information in the address field.

However, it is held that *Balachandran* teaches this limitation as provided above.

Regarding *amended* claim **26**, Applicant argues that *Balachandran* does not disclose "a packet processor for selectively extending the address field of the packet to accommodate the address information in response to information in the predetermined address field".

However, it is held that *Balachandran* teaches this limitation as provided above.

### ***Conclusion***

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Strawczynski et al. (U.S. 6,628,641) is another reference considered pertinent to this application.

10. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael J. Moore, Jr. whose telephone number is (571)

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272-3168. The examiner can normally be reached on Monday-Friday (8:00am - 4:30pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seema S. Rao can be reached at (571) 272-3174. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michael J. Moore, Jr.  
Examiner  
Art Unit 2616

mjm MM

*Seema S. Rao*  
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